

Application No. 10/817,583
Amendment A dated February 3, 2006
Reply to Office Action mailed October 3, 2005

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AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently amended) An arrangement comprising:

an optoelectronic component ~~with~~ comprising terminal contacts and an optical window through which light can enter or leave the optoelectronic component,

a printed circuit board with electrical contacts, and

a flexible conductor arrangement of a planar form and including a plurality of interconnects, where the flexible conductor arrangement is connected to the optoelectronic component and the printed circuit ~~component-board~~ such that the interconnects ~~provide electrically connections between~~ the terminal contacts of the optoelectronic component and corresponding ~~ones of the~~ electrical contacts of the printed circuit board,

wherein the flexible conductor arrangement is bent in such a way that, starting from the printed circuit board, the flexible conductor arrangement is led around the optoelectronic component and contacts the optoelectronic component on a side facing away from the printed circuit board and upon which the optical window is arranged, and wherein the flexible conductor arrangement defines an opening through which light can enter or leave, the opening defined opposite the optical window.

2. (Currently amended) The arrangement as claimed in claim 1, the flexible conductor arrangement having a first portion with contact regions ~~for the connected~~ to the associated electrical contacts of the printed circuit board and a second portion with contact regions ~~for the electrical connection~~ to the terminal contacts of the optoelectronic component, and the conductor arrangement being bent at least in a third portion lying between the first portion and the second portion.

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3. (Currently amended) The arrangement as claimed in claim 2, the flexible conductor arrangement having in the third portion at least one region of maximum curvature.

4. (Currently amended) The arrangement as claimed in claim 3, the flexible ~~conductor arrangement printed circuit board~~ having in the region of maximum curvature a bending radius which is equal to or greater than a minimum bending radius, which fixes a maximum permissible curvature of the flexible conductor arrangement.

5. (Currently amended) The arrangement as claimed in claim 3, the optoelectronic component being arranged at least partly between two subregions of the flexible conductor arrangement which adjoin the region of maximum curvature of the flexible conductor arrangement.

6. (Currently amended) The arrangement as claimed in claim 5, the subregions of the flexible conductor arrangement adjoining the region of maximum curvature running at least ~~partly~~partially parallel.

7. (Currently amended) The arrangement as claimed in claim 6, the at least ~~partly~~partially parallel-running subregions of the flexible conductor arrangement being at a distance from each other which is greater than a thickness of the optoelectronic component.

8. (Currently amended) The arrangement as claimed in claim 2, wherein the optoelectronic component includes a leadframe for contacting purposes, and wherein the respective contact regions of the second portion of the flexible conductor arrangement are each ~~electrically connected to respectively being brought into electrical contact with~~ a corresponding leg of the leadframe.

9. (Cancelled)

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10. **(Currently amended)** The arrangement as claimed in claim 2, wherein the first portion of the flexible conductor arrangement, ~~connected to the printed circuit board,~~ running runs substantially parallel to the surface of the printed circuit board.

11. **(Withdrawn)** The arrangement as claimed in claim 2, the first portion of the conductor arrangement, connected to the printed circuit board, being arranged on the end face of the printed circuit board and running perpendicularly in relation to the surface of the printed circuit board.

12. **(Cancelled)**

13. **(Currently Amended)** The arrangement as claimed in claim 1, wherein the plurality of interconnects of the flexible conductor arrangement being formed by a flexible conductor arc arranged in a flexible dielectric.

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14. (Currently amended) An arrangement comprising:

a printed circuit board including an electrical contact;

an optoelectronic component mounted to the printed circuit board such that a first side faces toward the printed circuit board and a second side faces away from the printed circuit board, wherein the optoelectronic component includes a terminal contact formed on the second side, and

a flexible flat cable including a first contact region located adjacent to a first end portion, a second contact region located adjacent to a second end portion, and an elongated conductor extending between the first and second contact ~~pads~~ regions along a third portion of the flexible flat cable that extends between the first end portion and the second end portion,

wherein the flexible flat cable is connected between the printed circuit board and the optoelectronic component such that the first contact region is connected to the electrical contact of the printed circuit board at a point adjacent to the first side of the optoelectronic component, the second contact ~~pad~~ region is connected to the terminal contact on the second side of the optoelectronic component, and the third portion of the flexible cable extends around the optoelectronic component,

wherein the first end portion, the third portion, and the second end portion define an approximate U shape in the flexible conductor arrangement, and

wherein at least a portion of the optoelectronic component is located within the approximate U shape of the flexible conductor arrangement.

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15. **(Currently amended)** An arrangement comprising:
- a printed circuit board;
 - an optoelectronic component mounted to the printed circuit board such that a first side faces toward the printed circuit board and a second side faces away from the printed circuit board, and
 - a flexible flat cable including a first end portion connected to the printed circuit board, a second end portion connected to the second ~~face~~side of the optoelectronic component such that substantially the entire length and width of the second side of the optoelectronic component is adjacent to the second end portion, and a third portion extending between the first and second end portions,
- wherein the third portion defines a bent region, a first straight region extending between the bent region and the first end portion, a second straight region extending between the bent region and the second end portion, and
- wherein the first and second straight ~~portions~~regions are substantially parallel.